

Stanford



David Ehrhardt

- Assistant Professor, Biology
- Assist Prof (By Courtesy), Biology

Bio

ACADEMIC APPOINTMENTS

- Assistant Professor, Biology

Teaching

COURSES

2023-24

- Advanced Cell Biology: BIO 214, BIOC 224, MCP 221 (Win)
- Advanced Imaging Lab in Biophysics: APPPHYS 232, BIO 132, BIO 232, BIOE 232, BIOPHYS 232, GENE 232 (Spr)

2022-23

- Advanced Cell Biology: BIO 214, BIOC 224, MCP 221 (Win)
- Advanced Imaging Lab in Biophysics: APPPHYS 232, BIO 132, BIO 232, BIOPHYS 232, GENE 232 (Spr)

2021-22

- Advanced Cell Biology: BIO 214, BIOC 224, MCP 221 (Win)
- Advanced Imaging Lab in Biophysics: APPPHYS 232, BIO 132, BIO 232, BIOPHYS 232, GENE 232 (Spr)

2020-21

- Advanced Cell Biology: BIO 214, BIOC 224, MCP 221 (Win)

Publications

PUBLICATIONS

- **CLASP stabilization of plus ends created by severing promotes microtubule creation and reorientation.** *The Journal of cell biology*
Lindeboom, J. J., Nakamura, M., Saltini, M., Hibbel, A., Walia, A., Ketelaar, T., Emons, A. M., Sedbrook, J. C., Kirik, V., Mulder, B. M., Ehrhardt, D. W.
2018
- **SPR2 protects minus ends to promote severing and reorientation of plant cortical microtubule arrays** *JOURNAL OF CELL BIOLOGY*
Nakamura, M., Lindeboom, J. J., Saltini, M., Mulder, B. M., Ehrhardt, D. W.
2018; 217 (3): 915–27
- **50 years of Arabidopsis research: highlights and future directions** *NEW PHYTOLOGIST*
Provar, N. J., Alonso, J., Assmann, S. M., Bergmann, D., Brady, S. M., Brkljacic, J., Browse, J., Chapple, C., Colot, V., Cutler, S., Dangl, J., Ehrhardt, D., Friesner, et al
2016; 209 (3): 921-944

- **Visualization of cellulose synthases in Arabidopsis secondary cell walls** *SCIENCE*
Watanabe, Y., Meents, M. J., MCDONNELL, L. M., Barkwill, S., Sampathkumar, A., Cartwright, H. N., Demura, T., Ehrhardt, D. W., Samuels, A. L., Mansfield, S. D.
2015; 350 (6257): 198-203
- **CESA TRAFFICKING INHIBITOR Inhibits Cellulose Deposition and Interferes with the Trafficking of Cellulose Synthase Complexes and Their Associated Proteins KORRIGAN1 and POM2/CELLULOSE SYNTHASE INTERACTIVE PROTEIN1.** *Plant physiology*
Worden, N., Wilkop, T. E., Esteve, V. E., Jeannotte, R., Lathé, R., Vernhettes, S., Weimer, B., Hicks, G., Alonso, J., Labavitch, J., Persson, S., Ehrhardt, D., Drakakaki, et al
2015; 167 (2): 381-393
- **GCP-WD Mediates gamma-TuRC Recruitment and the Geometry of Microtubule Nucleation in Interphase Arrays of Arabidopsis** *CURRENT BIOLOGY*
Walia, A., Nakamura, M., Moss, D., Kirik, V., Hashimoto, T., Ehrhardt, D. W.
2014; 24 (21): 2548-2555
- **GCP-WD mediates ?-TuRC recruitment and the geometry of microtubule nucleation in interphase arrays of Arabidopsis.** *Current biology*
Walia, A., Nakamura, M., Moss, D., Kirik, V., Hashimoto, T., Ehrhardt, D. W.
2014; 24 (21): 2548-2555
- **The Microtubule Plus-End Tracking Proteins SPR1 and EB1b Interact to Maintain Polar Cell Elongation and Directional Organ Growth in Arabidopsis.** *Plant cell*
Galva, C., Kirik, V., Lindeboom, J. J., Kaloriti, D., Rancour, D. M., Hussey, P. J., Bednarek, S. Y., Ehrhardt, D. W., Sedbrook, J. C.
2014; 26 (11): 4409-4425
- **COPI Jointly Modulates Cytoskeletal Processes and Electrophysiological Responses Required for Stomatal Closure.** *Molecular plant*
Khanna, R., Li, J., Tseng, T., Schroeder, J. I., Ehrhardt, D. W., Briggs, W. R.
2014; 7 (9): 1441-1454
- **The Phragmoplast-Orienting Kinesin-12 Class Proteins Translate the Positional Information of the Preprophase Band to Establish the Cortical Division Zone in Arabidopsis thaliana** *PLANT CELL*
Lipka, E., Gadeyne, A., Stoeckle, D., Zimmermann, S., De Jaeger, G., Ehrhardt, D. W., Kirik, V., van Damme, D., Mueller, S.
2014; 26 (6): 2617-2632
- **Male-female communication triggers calcium signatures during fertilization in Arabidopsis.** *Nature communications*
Denninger, P., Bleckmann, A., Lausser, A., Vogler, F., Ott, T., Ehrhardt, D. W., Frommer, W. B., Sprunck, S., Dresselhaus, T., Grossmann, G.
2014; 5: 4645-?
- **Male-female communication triggers calcium signatures during fertilization in Arabidopsis.** *Nature communications*
Denninger, P., Bleckmann, A., Lausser, A., Vogler, F., Ott, T., Ehrhardt, D. W., Frommer, W. B., Sprunck, S., Dresselhaus, T., Grossmann, G.
2014; 5: 4645-?
- **A mechanism for reorientation of cortical microtubule arrays driven by microtubule severing.** *Science*
Lindeboom, J. J., Nakamura, M., Hibbel, A., Shundyak, K., Gutierrez, R., Ketelaar, T., Emons, A. M., Mulder, B. M., Kirik, V., Ehrhardt, D. W.
2013; 342 (6163): 1245533-?
- **A Mechanism for Reorientation of Cortical Microtubule Arrays Driven by Microtubule Severing** *SCIENCE*
Lindeboom, J. J., Nakamura, M., Hibbel, A., Shundyak, K., Gutierrez, R., Ketelaar, T., Emons, A. M., Mulder, B. M., Kirik, V., Ehrhardt, D. W.
2013; 342 (6163): 1202-?
- **Patterning and Lifetime of Plasma Membrane-Localized Cellulose Synthase Is Dependent on Actin Organization in Arabidopsis Interphase Cells** *PLANT PHYSIOLOGY*
Sampathkumar, A., Gutierrez, R., McFarlane, H. E., Bringmann, M., Lindeboom, J., Emons, A., Samuels, L., Ketelaar, T., Ehrhardt, D. W., Persson, S.
2013; 162 (2): 675-688
- **Cortical Microtubule Arrays Are Initiated from a Nonrandom Prepattern Driven by Atypical Microtubule Initiation** *PLANT PHYSIOLOGY*
Lindeboom, J. J., Lioutas, A., Deinum, E. E., Tindemans, S. H., Ehrhardt, D. W., Emons, A. M., Vos, J. W., Mulder, B. M.
2013; 161 (3): 1189-1201
- **Rho GTPase Signaling Activates Microtubule Severing to Promote Microtubule Ordering in Arabidopsis** *CURRENT BIOLOGY*
Lin, D., Cao, L., Zhou, Z., Zhu, L., Ehrhardt, D., Yang, Z., Fu, Y.

2013; 23 (4): 290-297

- **Development of Tools for the Biochemical Characterization of the Symbiotic Receptor-Like Kinase DMI2** *MOLECULAR PLANT-MICROBE INTERACTIONS*
Riely, B. K., Larrainzar, E., Haney, C. H., Mun, J., Gil-Quintana, E., Gonzalez, E. M., Yu, H., Tricoli, D., Ehrhardt, D. W., Long, S. R., Cook, D. R.
2013; 26 (2): 216-226
- **Smaller, Faster, Brighter: Advances in Optical Imaging of Living Plant Cells** *ANNUAL REVIEW OF PLANT BIOLOGY, VOL 64*
Shaw, S. L., Ehrhardt, D. W.
2013; 64: 351-375
- **The molecular origins of chiral growth in walled cells** *CURRENT OPINION IN MICROBIOLOGY*
Huang, K. C., Ehrhardt, D. W., Shaevitz, J. W.
2012; 15 (6): 707-714
- **Arabidopsis MICROTUBULE DESTABILIZING PROTEIN40 Is Involved in Brassinosteroid Regulation of Hypocotyl Elongation** *PLANT CELL*
Wang, X., Zhang, J., Yuan, M., Ehrhardt, D. W., Wang, Z., Mao, T.
2012; 24 (10): 4012-4025
- **Arabidopsis GCP3-interacting protein 1/MOZART 1 is an integral component of the gamma-tubulin-containing microtubule nucleating complex** *PLANT JOURNAL*
Nakamura, M., Yagi, N., Kato, T., Fujita, S., Kawashima, N., Ehrhardt, D. W., Hashimoto, T.
2012; 71 (2): 216-225
- **Time-lapse Fluorescence Imaging of Arabidopsis Root Growth with Rapid Manipulation of The Root Environment Using The RootChip** *JOVE-JOURNAL OF VISUALIZED EXPERIMENTS*
Grossmann, G., Meier, M., Cartwright, H. N., Sosso, D., Quake, S. R., Ehrhardt, D. W., Frommer, W. B.
2012
- **A never ending race for new and improved fluorescent proteins** *BMC BIOLOGY*
Jones, A. M., Ehrhardt, D. W., Frommer, W. B.
2012; 10
- **Microtubules Are Essential for Guard-Cell Function in Vicia and Arabidopsis** *MOLECULAR PLANT*
Eisinger, W., Ehrhardt, D., Briggs, W.
2012; 5 (3): 601-610
- **Quantitative Changes in Microtubule Distribution Correlate with Guard Cell Function in Arabidopsis** *MOLECULAR PLANT*
Eisinger, W. R., Kirik, V., Lewis, C., Ehrhardt, D. W., Briggs, W. R.
2012; 5 (3): 716-725
- **Cellulose microfibril crystallinity is reduced by mutating C-terminal transmembrane region residues CESA1(A903V) and CESA3(T942I) of cellulose synthase** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Harris, D. M., Corbin, K., Wang, T., Gutierrez, R., Bertolo, A. L., Petti, C., Smilgies, D., Manuel Estevez, J., Bonetta, D., Urbanowicz, B. R., Ehrhardt, D. W., Somerville, C. R., Rose, et al
2012; 109 (11): 4098-4103
- **TONNEAU2/FASS Regulates the Geometry of Microtubule Nucleation and Cortical Array Organization in Interphase Arabidopsis Cells** *PLANT CELL*
Kirik, A., Ehrhardt, D. W., Kirik, V.
2012; 24 (3): 1158-1170
- **New Technologies for 21st Century Plant Science** *PLANT CELL*
Ehrhardt, D. W., Frommer, W. B.
2012; 24 (2): 374-394
- **Time-lapse fluorescence imaging of Arabidopsis root growth with rapid manipulation of the root environment using the RootChip.** *Journal of visualized experiments : JoVE*
Grossmann, G., Meier, M., Cartwright, H. N., Sosso, D., Quake, S. R., Ehrhardt, D. W., Frommer, W. B.
2012
- **The RootChip: An Integrated Microfluidic Chip for Plant Science** *PLANT CELL*

-
- Grossmann, G., Guo, W., Ehrhardt, D. W., Frommer, W. B., Sit, R. V., Quake, S. R., Meier, M.
2011; 23 (12): 4234-4240
- **Symbiotic Rhizobia Bacteria Trigger a Change in Localization and Dynamics of the Medicago truncatula Receptor Kinase LYK3** *PLANT CELL*
Haney, C. H., Riely, B. K., Tricoli, D. M., Cook, D. R., Ehrhardt, D. W., Long, S. R.
2011; 23 (7): 2774-2787
 - **Live Cell Imaging Reveals Structural Associations between the Actin and Microtubule Cytoskeleton in Arabidopsis** *PLANT CELL*
Sampathkumar, A., Lindeboom, J. J., Debolt, S., Gutierrez, R., Ehrhardt, D. W., Ketelaar, T., Persson, S.
2011; 23 (6): 2302-2313
 - **Microtubule and katanin-dependent dynamics of microtubule nucleation complexes in the acentrosomal Arabidopsis cortical array** *NATURE CELL BIOLOGY*
Nakamura, M., Ehrhardt, D. W., Hashimoto, T.
2010; 12 (11): 1064-U49
 - **Mutations of cellulose synthase (CESA1) phosphorylation sites modulate anisotropic cell expansion and bidirectional mobility of cellulose synthase** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Chen, S., Ehrhardt, D. W., Somerville, C. R.
2010; 107 (40): 17188-17193
 - **Opportunities to Explore Plant Membrane Organization with Super-Resolution Microscopy** *PLANT PHYSIOLOGY*
Gutierrez, R., Grossmann, G., Frommer, W. B., Ehrhardt, D. W.
2010; 154 (2): 463-466
 - **Arabidopsis cortical microtubules position cellulose synthase delivery to the plasma membrane and interact with cellulose synthase trafficking compartments** *NATURE CELL BIOLOGY*
Gutierrez, R., Lindeboom, J. J., Paredes, A. R., Emons, A. M., Ehrhardt, D. W.
2009; 11 (7): 797-U43
 - **Cell biology** *CURRENT OPINION IN PLANT BIOLOGY*
Ehrhardt, D., Brandizzi, F.
2008; 11 (6): 575-576
 - **Genetic evidence that cellulose synthase activity influences microtubule cortical array organization** *PLANT PHYSIOLOGY*
Paredes, A. R., Persson, S., Ehrhardt, D. W., Somerville, C. R.
2008; 147 (4): 1723-1734
 - **Straighten up and fly right-microtubule dynamics and organization of non-centrosomal arrays in higher plants** *CURRENT OPINION IN CELL BIOLOGY*
Ehrhardt, D. W.
2008; 20 (1): 107-116
 - **Molecular and cellular approaches for the detection of protein-protein interactions: latest techniques and current limitations** *PLANT JOURNAL*
Lalonde, S., Ehrhardt, D. W., Loque, D., Chen, J., Rhee, S. Y., Frommer, W. B.
2008; 53 (4): 610-635
 - **The subcellular localization and blue-light-induced movement of phototropin 1-GFP in etiolated seedlings of Arabidopsis thaliana(W)** *MOLECULAR PLANT*
Wan, Y., Eisinger, W., Ehrhardt, D., Kubitscheck, U., Baluska, F., Briggs, W.
2008; 1 (1): 103-117
 - **The GRV2/RME-8 protein of Arabidopsis functions in the late endocytic pathway and is required for vacuolar membrane flow** *PLANT JOURNAL*
Silady, R. A., Ehrhardt, D. W., Jackson, K., Faulkner, C., Oparka, K., Somerville, C. R.
2008; 53 (1): 29-41
 - **CLASP localizes in two discrete patterns on cortical microtubules and is required for cell morphogenesis and cell division in Arabidopsis** *JOURNAL OF CELL SCIENCE*
Kirik, V., Herrmann, U., Parupalli, C., Sedbrook, J. C., Ehrhardt, D. W., Huelskamp, M.
2007; 120 (24): 4416-4425
 - **Arabidopsis TANGLED identifies the division plane throughout mitosis and cytokinesis** *CURRENT BIOLOGY*
-

-
- Walker, K. L., Mueller, S., Moss, D., Ehrhardt, D. W., Smith, L. G.
2007; 17 (21): 1827-1836
- **Nonmotile cellulose synthase subunits repeatedly accumulate within localized regions at the plasma membrane in Arabidopsis hypocotyl cells following 2,6-dichlorobenzonitrile treatment** *PLANT PHYSIOLOGY*
Debolt, S., Gutierrez, R., Ehrhardt, D. W., Somerville, C.
2007; 145 (2): 334-338
 - **An essential role for 14-3-3 proteins in brassinosteroid signal transduction in Arabidopsis** *DEVELOPMENTAL CELL*
Gampala, S. S., Kim, T., He, J., Tang, W., Deng, Z., Bai, M., Guan, S., Lalonde, S., Sun, Y., Gendron, J. M., Chen, H., Shibagaki, N., Ferl, et al
2007; 13 (2): 177-189
 - **Morlin, an inhibitor of cortical microtubule dynamics and cellulose synthase movement** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Debolt, S., Gutierrez, R., Ehrhardt, D. W., Melo, C. V., Ross, L., Cutler, S. R., Somerville, C., Bonetta, D.
2007; 104 (14): 5854-5859
 - **Microtubule cortical array organization and plant cell morphogenesis** *CURRENT OPINION IN PLANT BIOLOGY*
Paradez, A., Wright, A., Ehrhardt, D. W.
2006; 9 (6): 571-578
 - **Visualization of cellulose synthase demonstrates functional association with microtubules** *SCIENCE*
Paradez, A. R., Somerville, C. R., Ehrhardt, D. W.
2006; 312 (5779): 1491-1495
 - **Systematic analysis of Arabidopsis organelles and a protein localization database for facilitating fluorescent tagging of full-length Arabidopsis proteins** *PLANT PHYSIOLOGY*
Li, S., Ehrhardt, D. W., Rhee, S. Y.
2006; 141 (2): 527-539
 - **Microtubule dynamics and organization in the plant cortical array** *ANNUAL REVIEW OF PLANT BIOLOGY*
Ehrhardt, D. W., Shaw, S. L.
2006; 57: 859-875
 - **Shining light on signaling and metabolic networks by genetically encoded biosensors** *CURRENT OPINION IN PLANT BIOLOGY*
Lalonde, S., Ehrhardt, D. W., Frommer, W. B.
2005; 8 (6): 574-581
 - **Evidence for high-capacity bidirectional glucose transport across the endoplasmic reticulum membrane by genetically encoded fluorescence resonance energy transfer nanosensors** *MOLECULAR AND CELLULAR BIOLOGY*
Fehr, M., Takanaga, H., Ehrhardt, D. W., Frommer, W. B.
2005; 25 (24): 11102-11112
 - **Arabidopsis thaliana subcellular responses to compatible Erysiphe cichoracearum infections** *PLANT JOURNAL*
Koh, S., Andre, A., Edwards, H., Ehrhardt, D., Somerville, S.
2005; 44 (3): 516-529
 - **The PEN1 syntaxin defines a novel cellular compartment upon fungal attack and is required for the timely assembly of papillae** *MOLECULAR BIOLOGY OF THE CELL*
Assaad, F. F., Qiu, J. L., Youngs, H., Ehrhardt, D., Zimmerli, L., Kalde, M., Wanner, G., Peck, S. C., Edwards, H., Ramonell, K., Somerville, C. R., Thordal-Christensen, H.
2004; 15 (11): 5118-5129
 - **Real-time lineage analysis reveals oriented cell divisions associated with morphogenesis at the shoot apex of Arabidopsis thaliana** *DEVELOPMENT*
Reddy, G. V., Heisler, M. G., Ehrhardt, D. W., Meyerowitz, E. M.
2004; 131 (17): 4225-4237
 - **Live Imaging of glucose homeostasis in nuclei of COS-7 cells** *JOURNAL OF FLUORESCENCE*
Fehr, M., Lalonde, S., Ehrhardt, D. W., Frommer, W. B.
2004; 14 (5): 603-609

- **The Arabidopsis SKU6/SPIRAL1 gene encodes a plus end-localized microtubule-interacting protein involved in directional cell expansion** *PLANT CELL*
Sedbrook, J. C., Ehrhardt, D. W., Fisher, S. E., Scheible, W. R., Somerville, C. R.
2004; 16 (6): 1506-1520
- **Minimally invasive dynamic imaging of ions and metabolites in living cells** *CURRENT OPINION IN PLANT BIOLOGY*
Fehr, M., Ehrhardt, D. W., Lalonde, S., Frommer, W. B.
2004; 7 (3): 345-351
- **High-throughput fluorescent tagging of full-length arabidopsis gene products in planta** *PLANT PHYSIOLOGY*
Tian, G. W., Mohanty, A., Chary, S. N., Li, S. J., Paap, B., Drakakaki, G., Kopec, C. D., Li, J. X., Ehrhardt, D., Jackson, D., Rhee, S. Y., Raikhel, N. V., Citovsky, et al
2004; 135 (1): 25-38
- **GFP technology for live cell imaging** *CURRENT OPINION IN PLANT BIOLOGY*
Ehrhardt, D.
2003; 6 (6): 622-628
- **Sustained microtubule treadmilling in Arabidopsis cortical arrays** *SCIENCE*
Shaw, S. L., Kamyar, R., Ehrhardt, D. W.
2003; 300 (5626): 1715-1718
- **Pharmacological analysis of nod factor-induced calcium spiking in Medicago truncatula. Evidence for the requirement of type IIA calcium pumps and phosphoinositide signaling** *PLANT PHYSIOLOGY*
Engstrom, E. M., Ehrhardt, D. W., Mitra, R. M., Long, S. R.
2002; 128 (4): 1390-1401
- **Polarized cytokinesis in vacuolate cells of Arabidopsis** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Cutler, S. R., Ehrhardt, D. W.
2002; 99 (5): 2812-2817
- **Trophic obligate conversion of an photoautotrophic organism through metabolic engineering** *SCIENCE*
Zaslavskaja, L. A., Lippmeier, J. C., Shih, C., Ehrhardt, D., Grossman, A. R., Apt, K. E.
2001; 292 (5524): 2073-2075
- **Dead cells don't dance: insights from live-cell imaging in plants** *CURRENT OPINION IN PLANT BIOLOGY*
Cutler, S., Ehrhardt, D.
2000; 3 (6): 532-537
- **Random GFP :: cDNA fusions enable visualization of subcellular structures in cells of Arabidopsis at a high frequency** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Cutler, S. R., Ehrhardt, D. W., Griffiths, J. S., Somerville, C. R.
2000; 97 (7): 3718-3723
- **Colocalization of cell division proteins FtsZ and FtsA to cytoskeletal structures in living Escherichia coli cells by using green fluorescent protein** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Ma, X. L., Ehrhardt, D. W., Margolin, W.
1996; 93 (23): 12998-13003
- **Calcium spiking in plant root hairs responding to Rhizobium nodulation signals** *CELL*
Ehrhardt, D. W., Wais, R., Long, S. R.
1996; 85 (5): 673-681
- **IN-VITRO SULFOTRANSFERASE ACTIVITY OF NODH, A NODULATION PROTEIN OF RHIZOBIUM-MELILOTI REQUIRED FOR HOST-SPECIFIC NODULATION** *JOURNAL OF BACTERIOLOGY*
Ehrhardt, D. W., Atkinson, E. M., Faull, K. F., Freedberg, D. I., Sutherlin, D. P., Armstrong, R., Long, S. R.
1995; 177 (21): 6237-6245
- **DEPOLARIZATION OF ALFALFA ROOT HAIR MEMBRANE-POTENTIAL BY RHIZOBIUM-MELILOTI NOD FACTORS** *SCIENCE*
Ehrhardt, D. W., Atkinson, E. M., Long, S. R.

1992; 256 (5059): 998-1000

- **ISOLATION AND CHARACTERIZATION OF A SULFUR-REGULATED GENE ENCODING A PERIPLASMICALLY LOCALIZED PROTEIN WITH SEQUENCE SIMILARITY TO RHODANESE** *JOURNAL OF BACTERIOLOGY*

Laudenbach, D. E., Ehrhardt, D., Green, L., Grossman, A.
1991; 173 (9): 2751-2760

- **RHIZOBIUM-MELILOTI NODULATION GENE-REGULATION AND MOLECULAR SIGNALS** *5TH INTERNATIONAL SYMP ON THE MOLECULAR GENETICS OF PLANT-MICROBE INTERACTIONS*

Long, S. R., Fisher, R. F., Ogawa, J., Swanson, J., Ehrhardt, D. W., Atkinson, E. M., SCHWEDOCK, J. S.
KLUWER ACADEMIC PUBL.1991: 127-133

- **NITROGEN-FIXATION - NEW ROUTE TO A STICKY SUBJECT** *NATURE*

Long, S. R., Ehrhardt, D. W.
1989; 338 (6216): 545-546

- **CORRELATION OF RELATIVE MUZZLE WIDTH AND RELATIVE INCISOR WIDTH WITH DIETARY PREFERENCE IN UNGULATES** *ZOOLOGICAL JOURNAL OF THE LINNEAN SOCIETY*

Janis, C. M., Ehrhardt, D.
1988; 92 (3): 267-284